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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/786,776	02/24/2004	Takao Noguchi	WASH5914	2833	
22430	7590 01/06/2006		EXAMINER		
YOUNG LAW FIRM A PROFESSIONAL CORPORATION			NGUYEN, TUAN H		
4370 ALPINE ROAD SUITE 106		ART UNIT	PAPER NUMBER		
PORTOLA V	/ALLEY, CA 94028		2813	2813	
			DATE MAILED: 01/06/200	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Assis a Commence	10/786,776	NOGUCHI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Tuan H. Nguyen	2813				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)⊠ Responsive to communication(s) filed on <u>17 Oc</u>	ctober 2005.					
	action is non-final.					
·=	_					
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-22</u> is/are pending in the application.						
	4a) Of the above claim(s) <u>17-22</u> is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1,2,5 and 6</u> is/are rejected.						
7)⊠ Claim(s) <u>3,4 and 7-16</u> is/are objected to.						
	·					
,,	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 2/24/04.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I, claims 1-16 in the reply filed on 10/17/05 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-2, 5-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Nagai et al..

Nagai et al., discloses an electronic device comprising a (resin) substrate; a lower conductive film (copper alloy film) formed on the resin substrate by bonding through an adhesive containing an epoxy resin, wherein adhesion of the lower conductive film on a side of the substrate is greater than or equal to 0.1 N/cm (paragraph [0011]). The solder used to connect and mount electronic component as disclosed in paragraph [0005], or the anticorrosive coating as claimed in claim 1, line 5 from Nagai et al. is considered as a functional film formed on the substrate.

With respect to claims 2, 5, 6, paragraph [0011] last line shows the adhesive strength exceeding 8.0 N/cm; and the adhesive containing an epoxy resin is considered as an adhesion orientation control film.

Allowable Subject Matter

Claims 3-4, 7-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: None of the references of record teaches or suggests the claimed electronic device including the lower conductive film is a metallic film oriented in a 91110plane of a face-centered cubic structure or a (0001) plane of a hexagonal close-packed structure and the functional film is made of a piezoelectric material having a wurtzite crystal structure; or an X-ray rocking curve FWHM of the lower conductive film and functional film are less than or equal to 5 degrees; or the device further comprising an upper conductive film provided on the functional film, thereby configuring a film bulk acoustic wave resonator.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kawate et al., and Katayama et al. disclose the electronic structure with adhesion layer.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan H. Nguyen whose telephone number is 571-272-1694. The examiner can normally be reached on 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead Jr. can be reached on 571-272-1702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan H. Nguyece Tuan H. Nguyen Primary Examiner Art Unit 2813